

Blakely, Sokoloff, Taylor & Zafman LLP
Title: GATE ARRAY ARCHITECTURE
1st Named Inventor: Brian D. Possley
Application No.: 09/902,907
Sheet: 1 of 7
Replacement Drawings

Docket No.: 42390P6643C2

(503) 684-6200

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Ndiffusion LEGEND Poly Pdiffusion

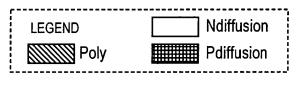
FIG. 1

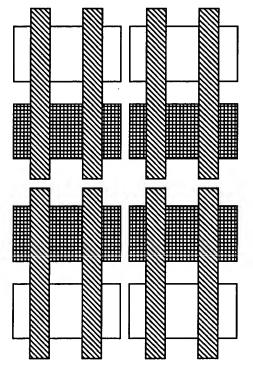
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Traditional Approach

FIG. 2

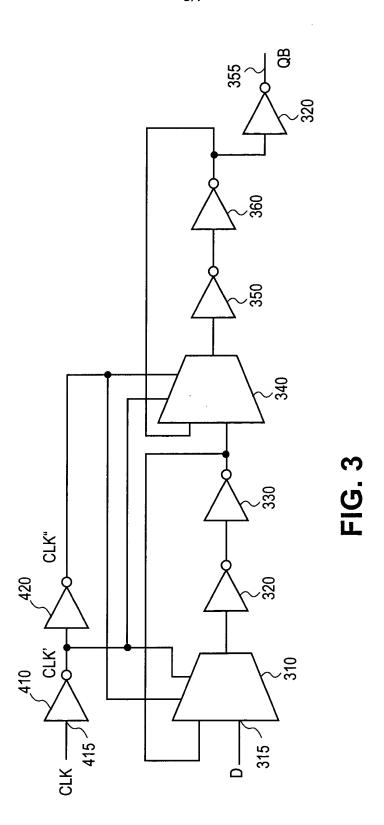
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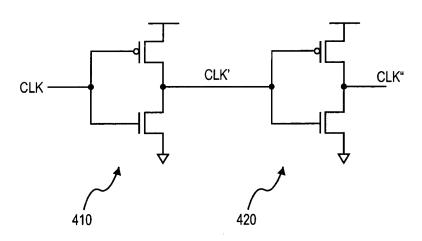
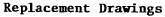


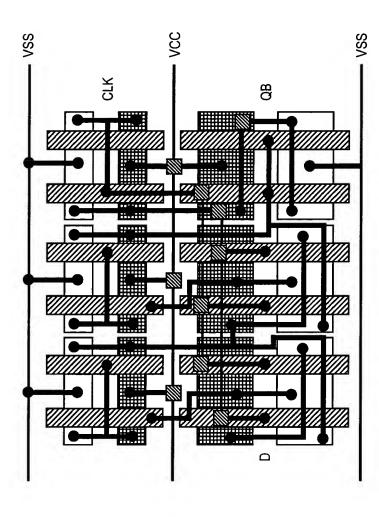
FIG. 4

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Table 1

Name	Clock Pin Power	Notes
Capacitance Improved	0.06 pJ	FIG. 2
Si Arc	0.13 pJ	SiArc CBA
Traditional	0.15 pJ	FIG. 2

pJ = pico joules

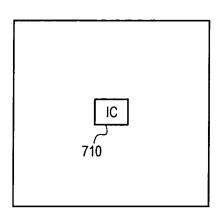
FIG. 6



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FIG. 7